



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 92 15 60

Classification of the application (IPC):
B65G 47/24, B23K 37/04, B23Q 7/16, B23Q 7/18, B23P 19/00

Technical fields searched (IPC):
B65G, B23Q, B23P

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	CH 446190 A (SPODIG HEINRICH [DE]) 31 October 1967 (1967-10-31) * claim 1 * * figures 1-16 * * column 1, line 1 - column 2, line 19 * * column 2, line 37 - column 5, line 32 *	1-4, 6-11, 13 14, 15
X Y	JP H07187356 A (OILES INDUSTRY CO LTD) 25 July 1995 (1995-07-25) * claim 1 * * figures 1-4 * * paragraph [0001] - paragraph [0019] *	1, 5, 9, 11, 13 14, 15
X Y	JP S5693087 A (TOKYO SHIBAURA ELECTRIC CO) 28 July 1981 (1981-07-28) * claim 1 * * figures 1-4 * * the whole document *	1, 2, 4, 6, 8, 10-13 14, 15
Y	EP 3164346 A1 (DOBEN LTD [CA]) 10 May 2017 (2017-05-10) * claim 1 * * figures 1-9D * * page 1, line 1 - page 17, line 26 *	14, 15
A	US 2004226117 A1 (BURGESS SEAN M [US]) 18 November 2004 (2004-11-18) * figure 11 *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 02 December 2021	Examiner Thibaut, Charles
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CATEGORY OF CITED DOCUMENTS

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 92 15 60

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 02-12-2021.
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